\_\_\_\_\_\_

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=10; day=28; hr=12; min=20; sec=10; ms=858; ]

\_\_\_\_\_\_

# Validated By CRFValidator v 1.0.3

Application No: 09899575 Version No: 4.0

Input Set:

Output Set:

**Started:** 2008-09-29 12:55:31.138

**Finished:** 2008-09-29 12:55:34.828

**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 690 ms

Total Warnings: 133

Total Errors: 0

No. of SeqIDs Defined: 150

Actual SeqID Count: 150

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### Input Set:

## Output Set:

**Started:** 2008-09-29 12:55:31.138 **Finished:** 2008-09-29 12:55:34.828

**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 690 ms

Total Warnings: 133
Total Errors: 0

No. of SeqIDs Defined: 150
Actual SeqID Count: 150

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	van Rensburg, Estrelita Janse	
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<220>

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<sup>&</sup>lt;213> Artificial

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<211> 1944

<212> DNA

<213> Artificial

<220>

<223> synthetic gp140 coding region of HIV strain AF110968

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<211> 2466

<212> DNA

<213> Artificial

<220>

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<211> 2547

<212> DNA

<213> Artificial

<220>

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acccgcaaga gcgtgcgcat	cggccccggc	cagaccttct	acgccaccgg	cgagatcatc	960
ggcgacatcc gccaggccta	ctgcatcatc	aacaagaccg	agtggaacag	caccctgcag	1020
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agcggcggcg acctggagat	caccacccac	agcttcaact	gccgcggcga	gttcttctac	1140
tgcgacacca gccagctgtt	caacagcacc	tacagcccca	gcttcaacgg	caccgagaac	1200

aagctgaacg gcaccatcac catcacctgc cgcatcaagc agatcatcaa catgtggcag 1260 1320 atcaccggcc tgctgctgac ccgcgacggc ggcaagaccg gccccaacga caccgagatc 1380 ttccgccccg gcggcggcga catgcgcgac aactggcgca acgagctgta caagtacaag 1440 1500 gtggtggaga tcaagcccct gggcgtggcc cccaccgagg ccaagcgccg cgtggtggag 1560 cgcgagaagc gcgccgtggg catcggcgcc gtgttcctgg gcttcctggg cgccgccggc agcaccatgg gcgccgccag catcaccctg accgtgcagg cccgcctgct gctgagcggc 1620 1680 atcgtgcagc agcagaacaa cctgctgcgc gccatcgagg cccagcagca cctgctgcag 1740 ctgaccgtgt ggggcatcaa gcagctgcag acccgcatcc tggccgtgga gcgctacctg aaggaccagc agctgctggg catctggggc tgcagcggca agctgatctg caccaccgcc 1800 gtgccctgga acagcagctg gagcaaccgc agccacgacg agatctggga caacatgacc 1860 tggatgcagt gggaccgcga gatcaacaac tacaccgaca ccatctaccg cctgctggag 1920 1980 gagagccaga accagcagga gaagaacgag aaggacctgc tggccctgga cagctggcag aacctgtgga actggttcag catcaccaac tggctgtggt acatcaagat cttcatcatg 2040 atogtgggcg gcctgatcgg cctgcgcatc atcttcgccg tgctgagcat cgtgaaccgc gtgcgccagg gctacagccc cctgcccttc cagaccctga cccccaaccc ccgcgagccc 2160 2220 gaccgcctgg gccgcatcga ggaggagggc ggcgagcagg accgcggccg cagcatccgc ctggtgageg getteetgge eetggeetgg gaegaeetge geageetgtg eetgtteage 2340 taccaccgcc tgcgcgactt catcctgatc gccgcccgcg tgctggagct gctgggccag cgcggctggg aggccctgaa gtacctgggc agcctggtgc agtactgggg cctggagctg 2400 aagaagageg ceateageet getggacace ategecateg cegtggeega gggeacegae 2460 2520 cgcatcatcg agttcatcca gcgcatctgc cgcgccatcc gcaacatccc ccgccgcatc 2547 cgccagggct tcgaggccgc cctgcag

<sup>&</sup>lt;210> 10

<sup>&</sup>lt;211> 1035

<sup>&</sup>lt;212> DNA

<sup>&</sup>lt;213> Artificial

<sup>&</sup>lt;220>

<sup>&</sup>lt;223> synthetic a gp41 coding region of HIV strain AF110968

gccgtgggca tcggcgccgt	gttcctgggc	ttcctgggcg	ccgccggcag	caccatgggc	60	
gccgccagca tcaccctgac	cgtgcaggcc	cgcctgctgc	tgagcggcat	cgtgcagcag	120	
cagaacaacc tgctgcgcgc	catcgaggcc	cagcagcacc	tgctgcagct	gaccgtgtgg	180	
ggcatcaagc agctgcagac	ccgcatcctg	gccgtggagc	gctacctgaa	ggaccagcag	240	
ctgctgggca tctggggctg	cagcggcaag	ctgatctgca	ccaccgccgt	gccctggaac	300	
agcagctgga gcaaccgcag	ccacgacgag	atctgggaca	acatgacctg	gatgcagtgg	360	
gaccgcgaga tcaacaacta	caccgacacc	atctaccgcc	tgctggagga	gagccagaac	420	
cagcaggaga agaacgagaa	ggacctgctg	gccctggaca	gctggcagaa	cctgtggaac	480	
tggttcagca tcaccaactg	gctgtggtac	atcaagatct	tcatcatgat	cgtgggcggc	540	
ctgatcggcc tgcgcatcat	cttcgccgtg	ctgagcatcg	tgaaccgcgt	gcgccagggc	600	
tacageceee tgeeetteea	gaccctgacc	cccaaccccc	gcgagcccga	ccgcctgggc	660	
cgcatcgagg aggagggcgg	cgagcaggac	cgcggccgca	gcatccgcct	ggtgagcggc	720	
ttcctggccc tggcctggga	cgacctgcgc	agcctgtgcc	tgttcagcta	ccaccgcctg	780	
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gccctgaagt acctgggcag	cctggtgcag	tactgg				